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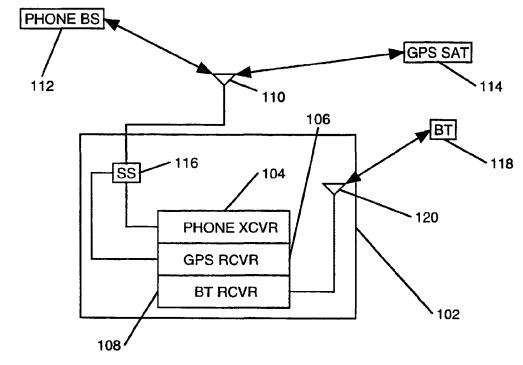
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### (54) Title: MULTIPLE BAND WIRELESS TELEPHONE WITH MULTIPLE ANTENNAS



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(57) Abstract: A wireless telephone (102) includes a telephone transceiver (104), GPS receiver (106), and Bluetooth transceiver (108). The telephone antenna (110) is external, and the Bluetooth antenna (120) is internal. The GPS receiver (106) may be driven by its own internal antenna (326), or via a signal separator (116), (216), by either of the other antennas (110), (120).



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# INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04B1/00							
According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04B							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)							
EPO-Internal, WPI Data, PAJ, INSPEC							
C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category °	Citation of document, with indication, where appropriate, of the rel	evant passages	Relevant to claim No.				
Α	US 5 918 183 A (JANKY JAMES M ET 29 June 1999 (1999-06-29) abstract figures 23,24	T AL)	1-4				
Α	BURSKY D: "MINIATURE EMBEDDABLE TARGETS BLUETOOTH SYSTEMS, WEIGHS G" ELECTRONIC DESIGN, PENTON PUBLISH CLEVELAND, OH, US, vol. 47, no. 22, 28 October 1999 (1999-10-28), pag XP000928226 ISSN: 0013-4872 figure 1	1-4					
Furt	her documents are listed in the continuation of box C.	X Patent family members are listed in	annex.				
*A* docume consider filing of the citation of the coume of the citation of the	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another in or other special reason (as specified) either treferring to an oral disclosure, use, exhibition or means ent published prior to the international filling date but han the priority date claimed	T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  8' document member of the same patent family					
Date of the actual completion of the international search  Date of mailing of the international search report							
2	21 September 2001	28/09/2001					
Name and	mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Lazaridis, P					

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	F	Patent family member(s)		Publication date
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